TABLE

REFERENCE NUMERALS	MANUFACTURER	PART NO.	DESCRIPTION
66. 50, 52	General Instruments	TR 1602	Serial-to-parallel converter
32, 36, 34	National Semiconductor	LM1489A	Level shift
38, 40, 42	National Semiconductor	LM1488	Level shift
74, 78, 92, 94	National Semiconductor	CD4070BC	Quad exclusive OR gates
76, 80, 96, 98	National Semiconductor	CD4002BC	NOR gates
84	National Semiconductor	CD4013BC	Selector latch
86, 88, 106	National Semiconductor	74LS00P	NAND gate
102, 104, 108	National Semiconductor	CD4069C	Inverter
56	National Semiconductor	74C93	Divider
54	National Semiconductor	NE567	Clock
70	National Semiconductor	74C10	Data ready
44, 46	Sanford Applied Engineering	7641	4 pole switches
110	Sanford Applied Engineering	IN4148	Diode
60, 64	Hewlett-Packard	5082-4655	Light emmitting diodes
82, 100	National Semiconductor	IN4148	AND Gates

I claim:

1. A device for switching a central processing computer between a telephone input received through a data access arrangement and modem, and an operator terminal including a visual display and operator keyboard, said device comprising:

means for electrically connecting said device to said central processing computer, said modem and said operator terminal;

means for setting a keyboard select code and modem select code into said device;

means for comparing incoming data to determine if said keyboard select code or said modem select code have been selected and latching into the selected condition;

speed shifter means receiving telephone data from said modem and upon selecting said modem select code increasing baud rate of each character of said telephone data to a predetermined baud rate of said central processing computer; and

logic means for passing data at said predetermined baud rate to said central processing computer from either said speed shifter or said operator keyboard depending upon which of the aforesaid codes have been selected.

2. The device as given in claim 1 wherein said means for setting includes manual switches internally set for keyboard select code and said modem select code.

3. The device as given in claim 2 including a data serial-to-parallel converter connected to said means for comparing, said data serial-to-parallel converter changing incoming data from said modem and said central processing computer to parallel for comparing with said codes.

4. The device as given in claims 1 or 3 wherein said means for comparing includes logic gates so that all inputs must match either said keyboard select code or said modem select code prior to said latching into said selected condition.

5. The device as given in claim 4 wherein said logic means is controlled by said logic gates.

6. The device as recited in claim 1 comprising level shifting means on all inputs and outputs of said device to allow said device to operate at lower voltages than data being transmitted therethrough.

7. The device as recited in claim 1 or 3 wherein said speed shifter includes:

a serial-to-parallel converter receiving said character from said modem;

a parallel-to-serial converter connected to said serial-to-parallel converter;

clock means for clocking said character into said parallel-to-serial converter from said serial-to-parallel converter and thereafter from said parallel-to-serial converter at said predetermined baud rate.

8. The device as recited in claim 7 wherein clock means is a free running oscillator that has a frequency output divided by a multiple of two to give a clock frequency for said telephone data; said frequency output providing a clock for said parallel-to-serial converter.

9. The device as recited in claim 1 comprising means for resetting said device to a known condition including said means for comparing and latching.

10. The device as recited in claim 1 comprising visual indicator operated by said means for comparing and latching to indicate which of said codes had been selected.

* * * * *